

CITY OF BERWYN STORMWATER MANAGEMENT PLAN

Public Open House
February 7, 2018



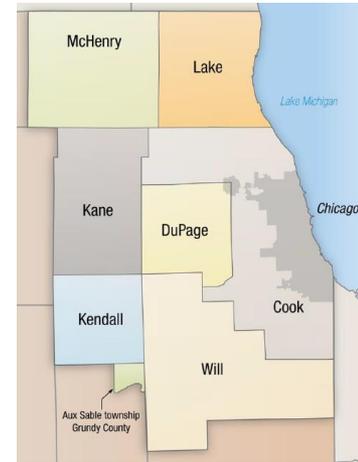


WHY ARE WE HERE TONIGHT?

- **CMAP and the City are collaborating to develop a stormwater management plan.**
- **To help develop this plan, we want to hear from you!**
 - **How does flooding affect you?**
 - **What improvements have you made?**
 - **What solutions would you like to see?**

WHO IS CMAP?

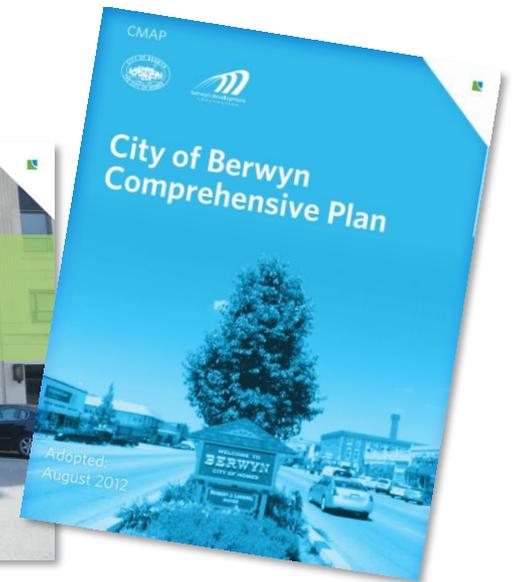
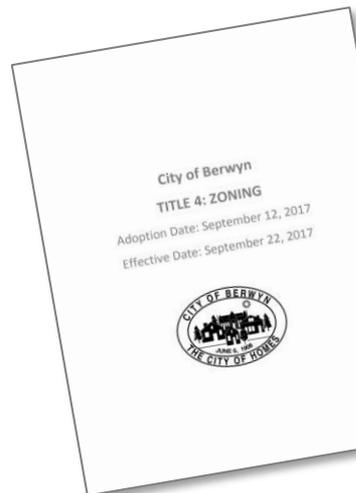
- **The Chicago Metropolitan Agency for Planning (CMAP) plans comprehensively for economic prosperity and improved quality of life within northeastern Illinois.**
- **In 2010, CMAP started the Local Technical Assistance (LTA) program to provide planning assistance to communities. The City received a grant for technical assistance to develop the Stormwater Management Plan.**





BERWYN AND CMAP PARTNERSHIP

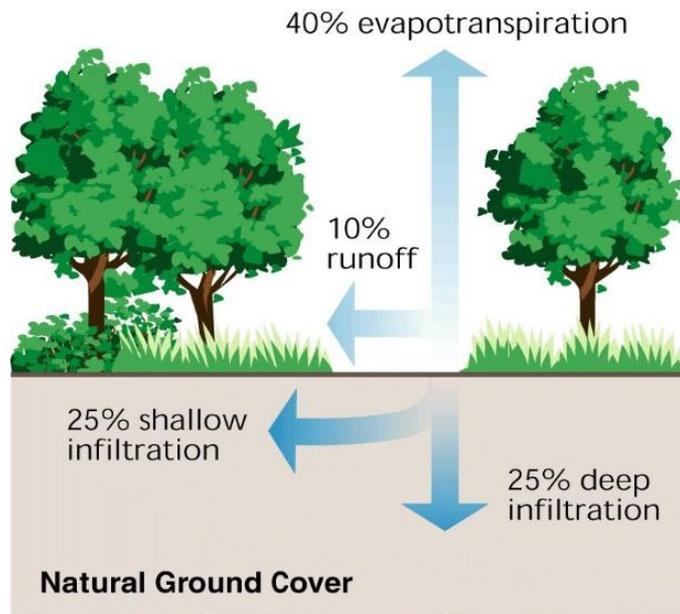
- **Comprehensive plan (2012)**
- **Capital improvement plan (2014)**
- **Depot district parking management plan (2016)**
- **Revised zoning ordinance (2017)**



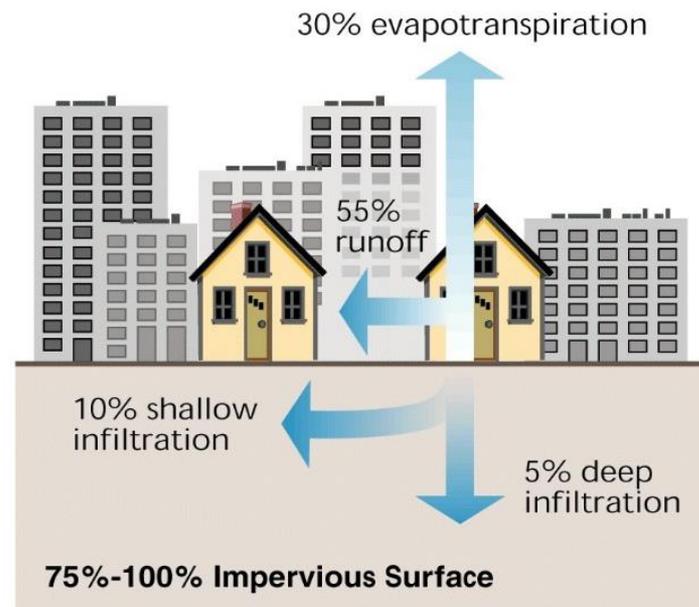


WHAT IS STORMWATER?

Rainwater or melted snow that runs off streets, lawns, and other sites.



Natural: 10% Runoff

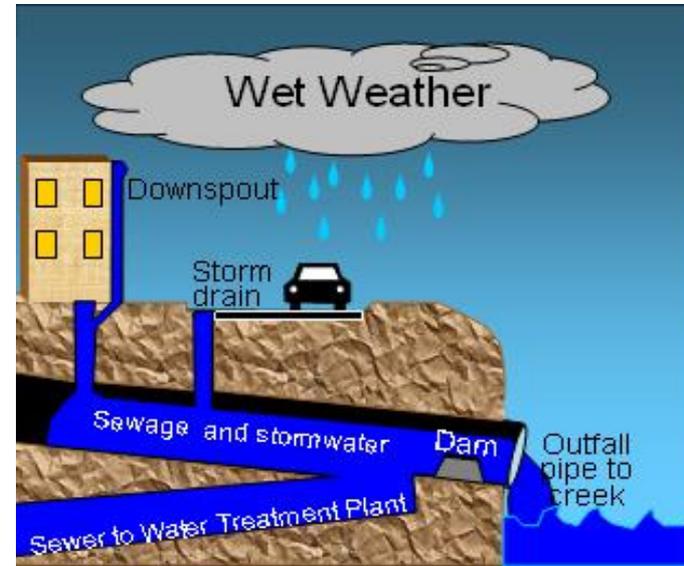
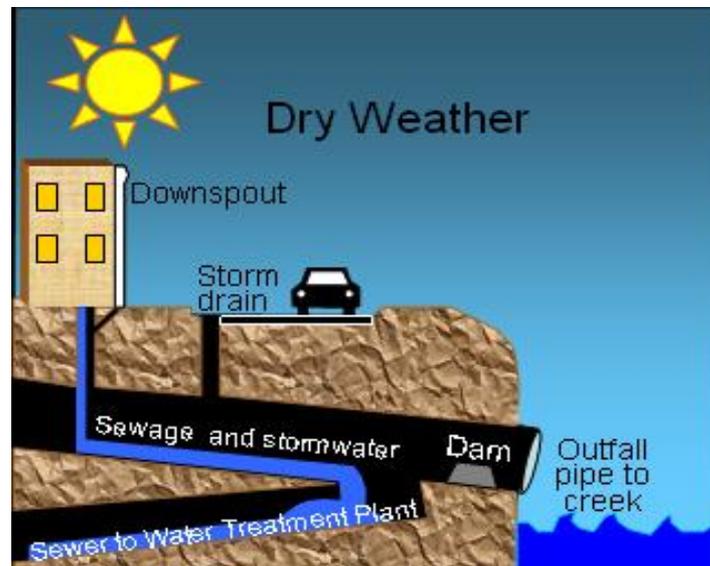


Developed: 55% Runoff



WHAT IS A COMBINED SEWER SYSTEM?

Raw sewage and stormwater runoff are combined in underground piping that normally goes to treatment plants, but in wet weather sometimes overflows to rivers and streams.





WHAT DOES A STORMWATER MANAGEMENT PLAN DO?

- **Assesses flood risk and the combined sewer system.**
- **Identifies solutions to reduce flood impacts.**
- **Outlines operation and maintenance activities.**
- **Describes ways to educate and engage the community.**
- **Investigates potential funding sources.**



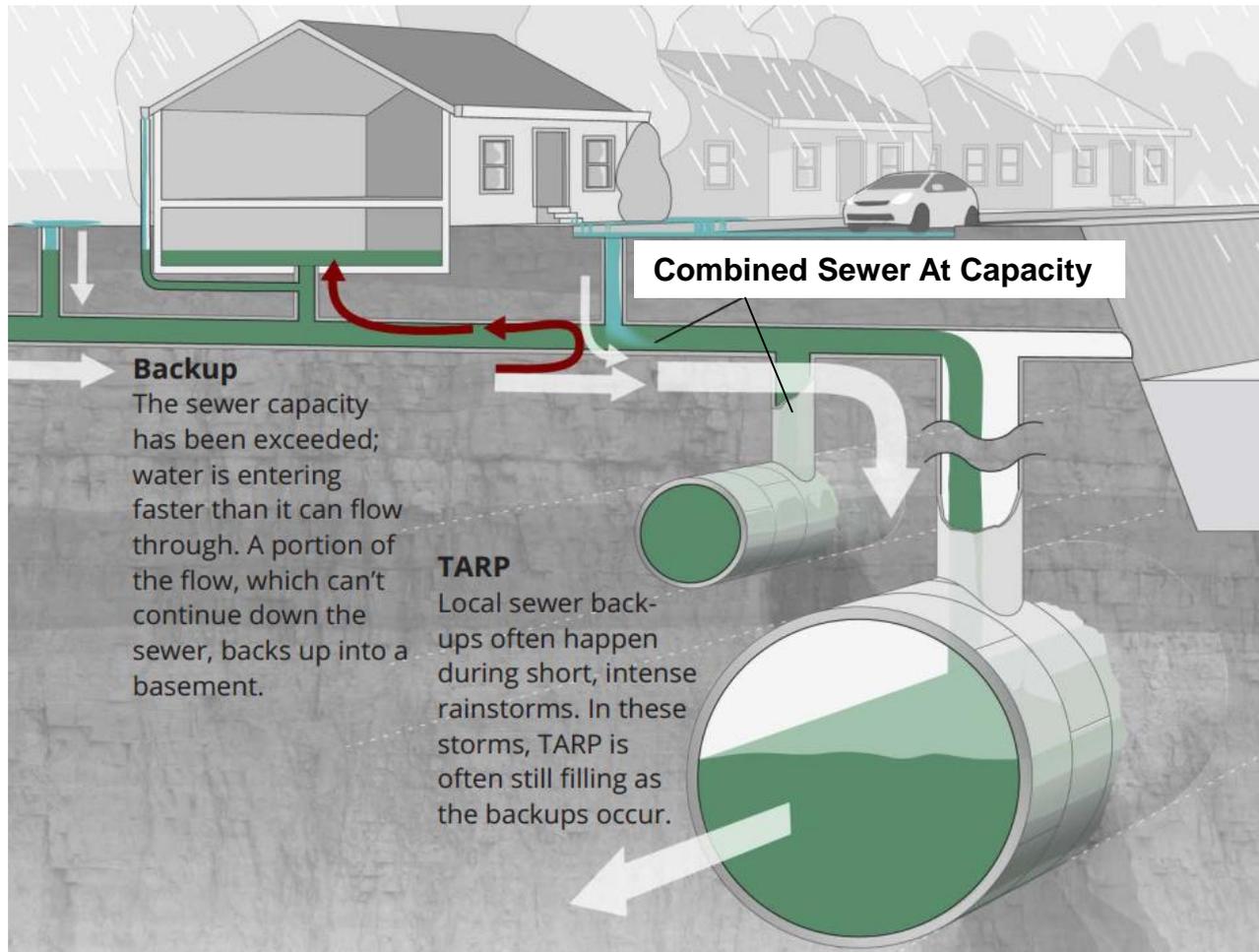
WHY DOES THE CITY NEED A STORMWATER MANAGEMENT PLAN?

- **Build on past and ongoing improvements to the combined sewer system.**
- **Identify strategies to reduce flooding impacts.**
- **Set priorities and coordinate decision-making.**
- **Help obtain grants and revenue to make improvements.**

WHY IS THERE FLOODING?



If the combined sewers are at capacity, basement backups occur.



WHAT ABOUT THE MCCOOK RESERVOIR?

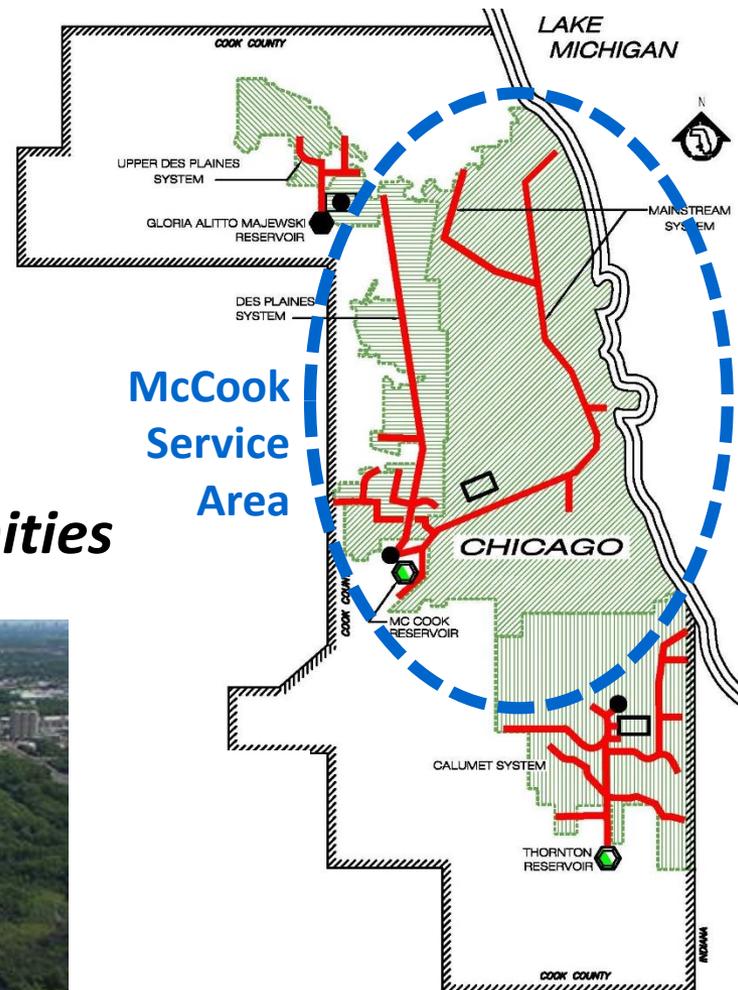
Total capacity (by 2029) =
10 billion gallons

Capacity stage 1 (complete) =
3.5 billion gallons

Flood damage reduction benefits:
Over \$143 million
across 37 communities



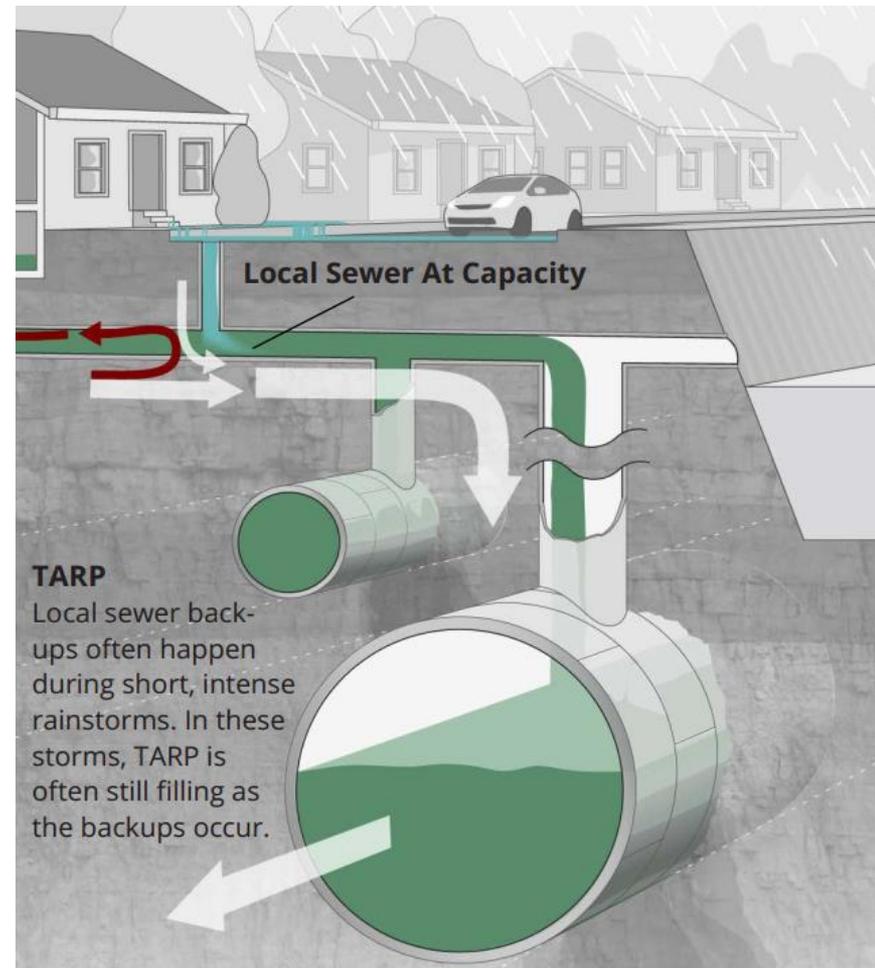
Photo: WTTW



WHAT ABOUT THE MCCOOK RESERVOIR?

Even with McCook Reservoir on-line, the capacity of the combined sewers could be exceeded during very heavy storms, meaning that the water can't be conveyed to TARP fast enough to avoid basement backups.

Everyone still needs to work together to make improvements!





WHAT CAN RESIDENTS DO?

- **Participate in the City's Residential Flood Mitigation Shared Cost Program**
 - **Disconnect downspouts**
 - **Install backflow preventer or overhead sewer**
- **Report residential sewer issues to the City:**
<http://www.berwyn-il.gov/sewer-issues>
- **Understand your sewer: is flooding caused by seepage or sewer backup?**



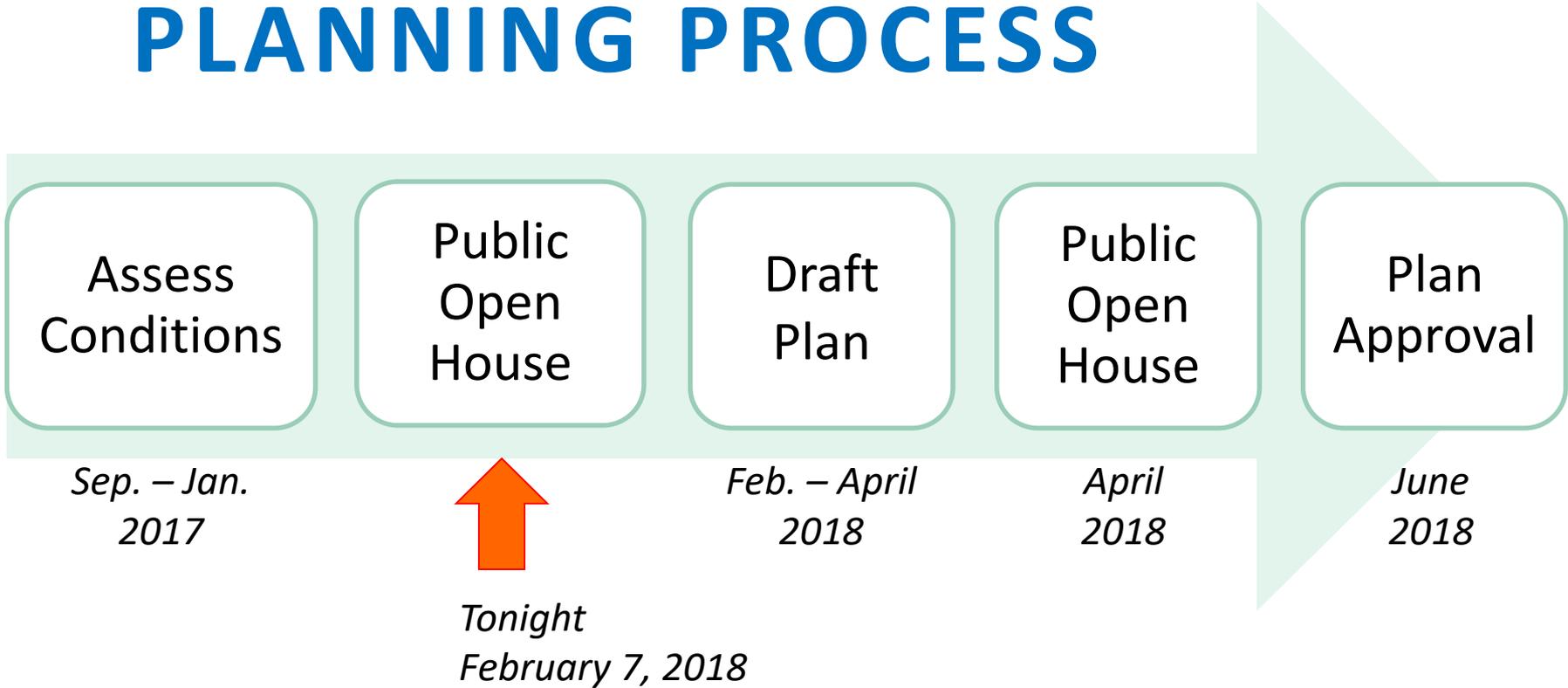
WHAT IS THE CITY DOING?

- Residential Flood Mitigation Shared Cost Program
- Green Alley Initiative
- Updated Zoning Ordinance with required stormwater improvements
- Collaborating with outside agencies such as MWRD
- Incorporating green infrastructure in City projects
- Maintaining online flood reporting tool for residents

<http://www.berwyn-il.gov/sewer-issues>



THE STORMWATER MANAGEMENT PLANNING PROCESS



STAY INFORMED!

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[http://www.cmap.illinois.gov/programs-and-resources/Ita/
Berwyn-stormwater](http://www.cmap.illinois.gov/programs-and-resources/Ita/Berwyn-stormwater)